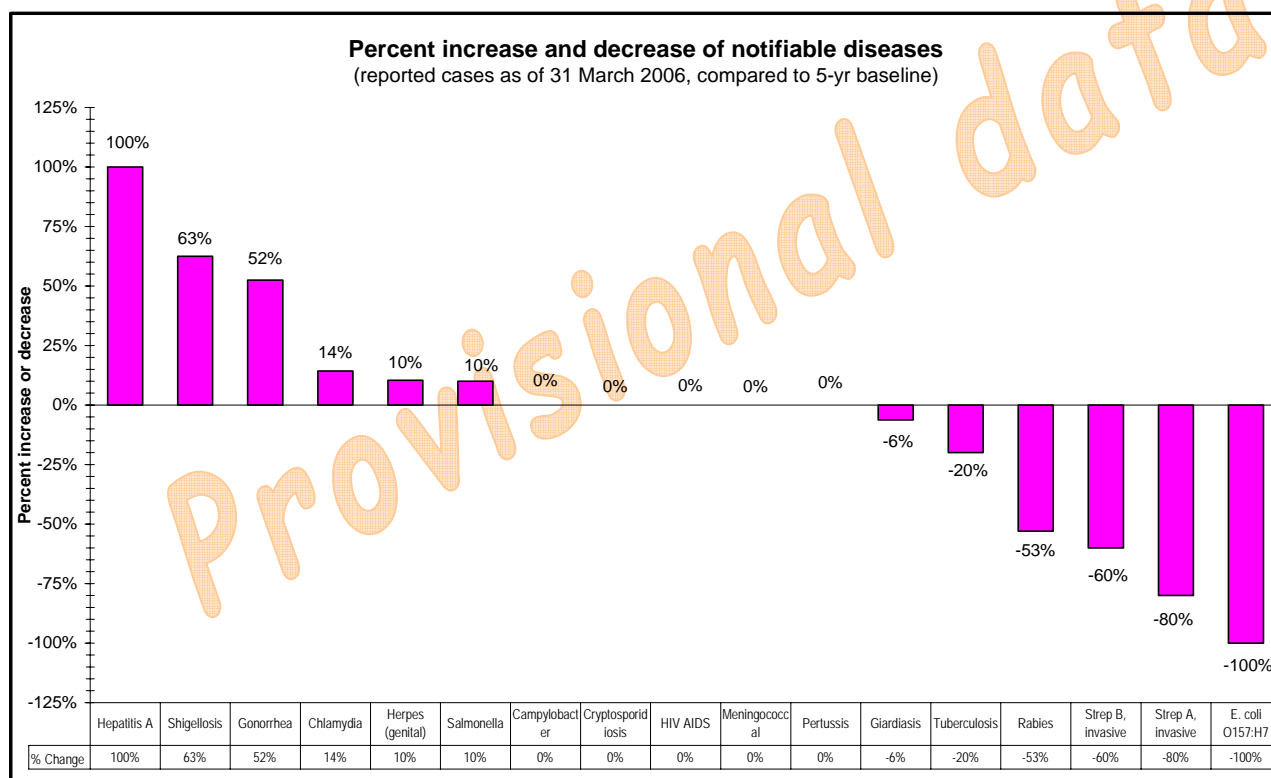


**SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 31 March 2006****These data are provisional.**

Year-to-date on 31 March 2006, increases  $\geq 50\%$  were observed over 5-year median for Hepatitis A (+100%), Shigellosis (+63%) and Gonorrhea (+52%),

Disease/agent	Cases Year to date	Incidence Year to date	5-year median cases	Percent increase / decrease	Comments
Hepatitis A	2	0.3	1	100%	No cases reported in March
Shigellosis	13	1.7	8	63%	Highest rate in Central Region
Gonorrhea	93	12.1	61	52%	Highest rate in Central Region
Chlamydia	663	86.0	580	14%	Highest rate in Central and West Regions
Herpes (genital)	95	12.3	86	10%	Highest rate in Southeast Region
Salmonella	22	2.9	20	10%	Highest rate in Central Region
Campylobacter	24	3.1	24	0%	Highest rates in Central Regions
Cryptosporidiosis	3	0.4	3	0%	Highest rate in Southeast Region
HIV AIDS	6	0.8	6	0%	Highest rate in Southeast Region
Meningococcal	1	0.1	1	0%	1 suspect case reported in March
Pertussis	2	0.3	2	0%	Cases in the Northeast Region
Giardiasis	15	1.9	16	-6%	Highest rates in Central Regions
Tuberculosis	4	0.5	5	-20%	1 case reported in March
Rabies	8	NA	17	-53%	5+ skunks, 2+ cats, 1 cow
Strep B, invasive	2	0.3	5	-60%	2 cases reported in March
Strep A, invasive	1	0.1	5	-80%	1 case reported in March
E. coli O157:H7	0	0.0	1	-100%	No cases reported this year



Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>

Incidence = cases reported per 100,000 population.

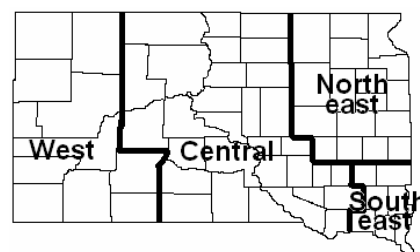
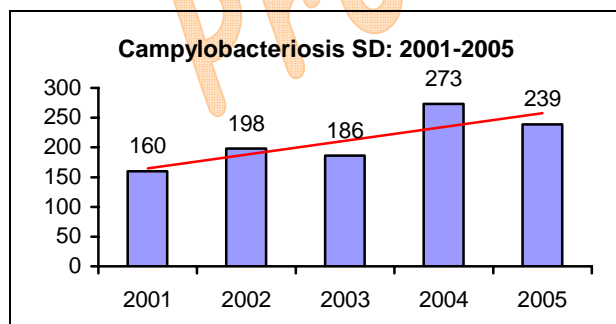
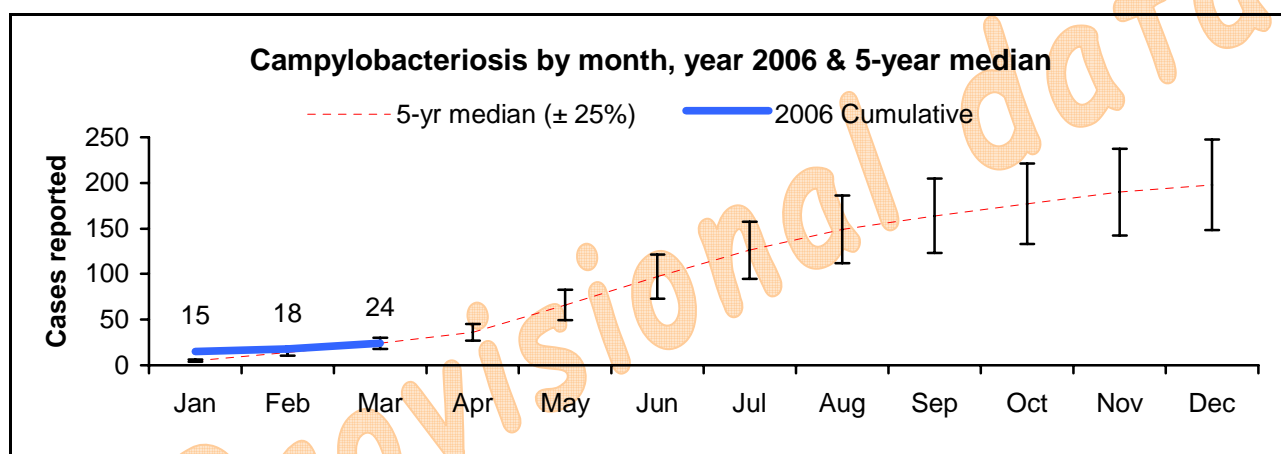
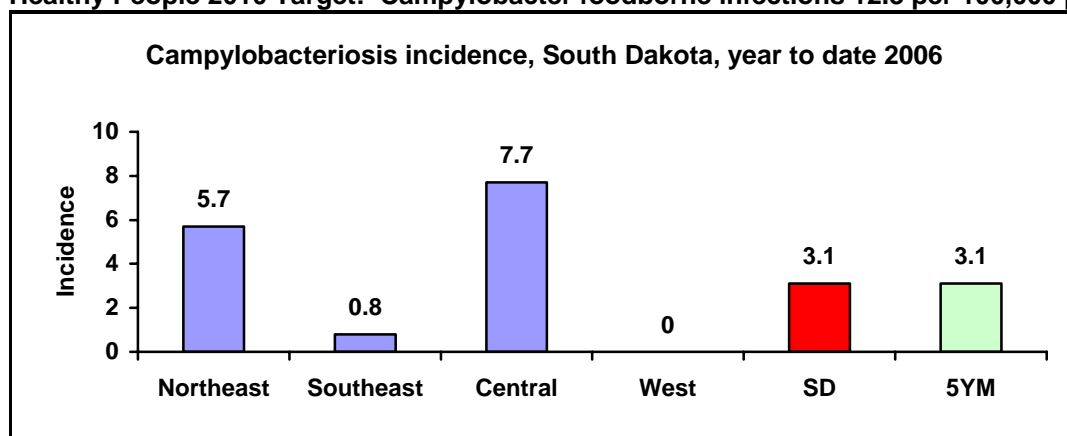
\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

<b>CAMPYLOBACTERIOSIS</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	10	5.7	6	0	4
SouthEast Region	256,093	2	0.8	1	0	1
Central Region	155,845	12	7.7	8	3	1
Western Region	189,524	0	0.0	0	0	0
West River	234,700	1	0.4	1	0	0
East River	541,233	23	4.2	14	3	6
South Dakota YTD	775933	24	3.1	15	3	6

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



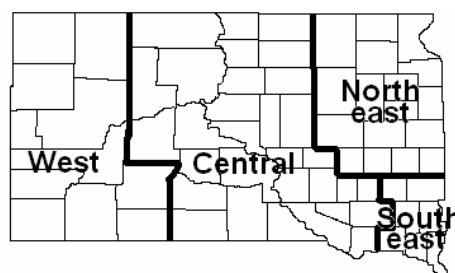
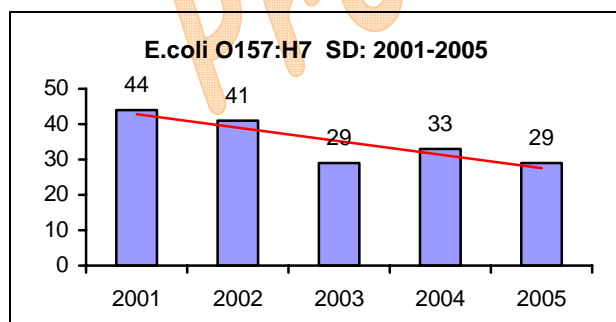
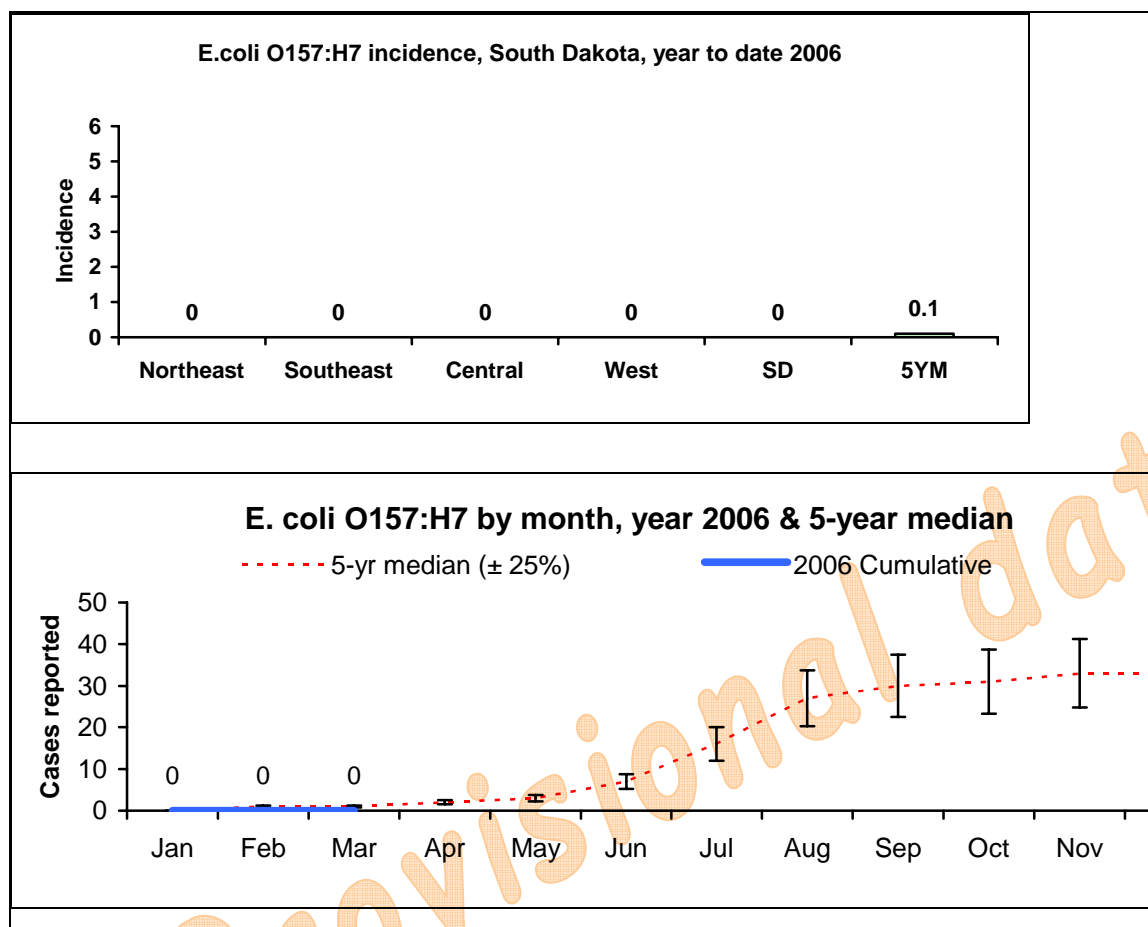
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

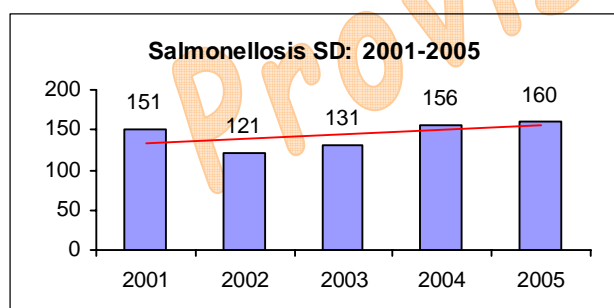
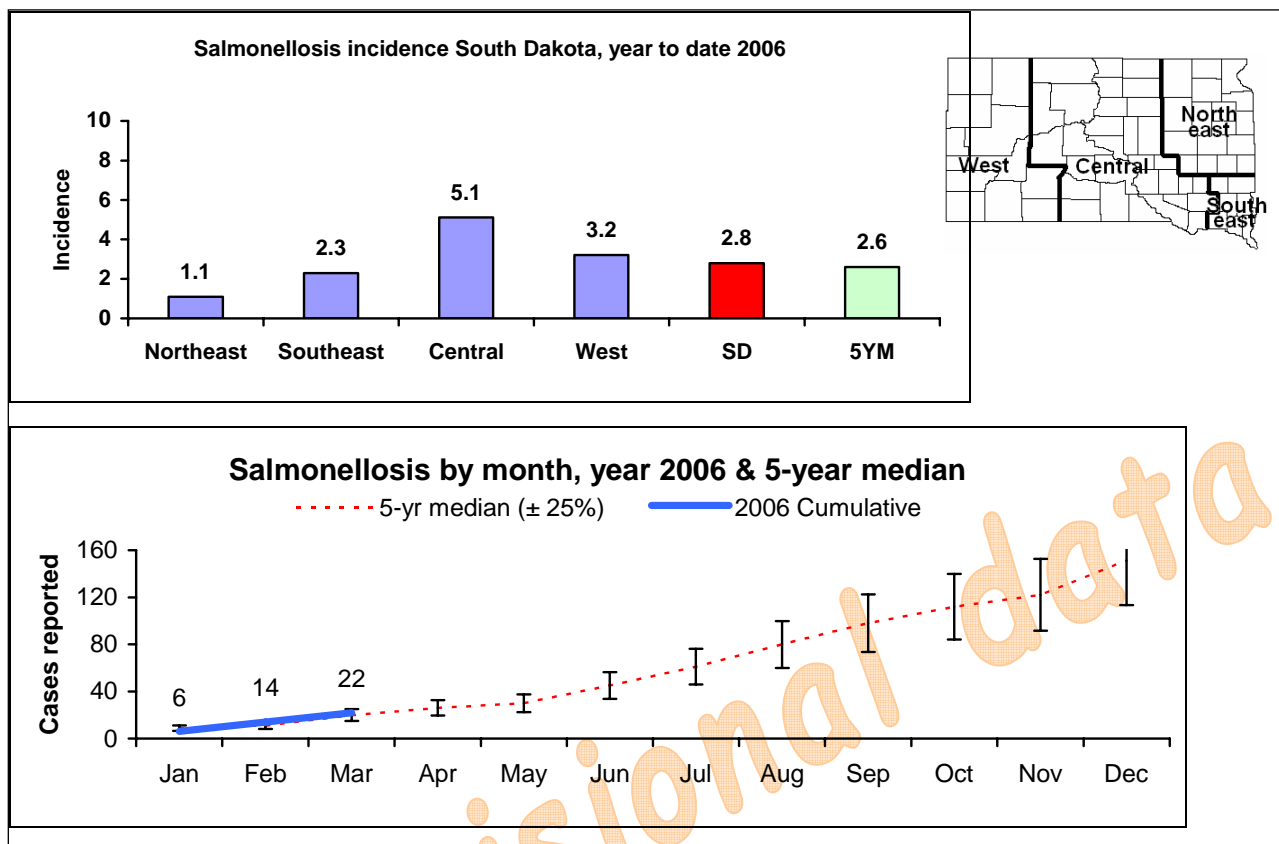
5YM= 5-year median

Population based on 2003 estimates

<b>E. coli O157:H7</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	0	0.0	0	0	0
SouthEast Region	256,093	0	0.0	0	0	0
Central Region	155,845	0	0.0	0	0	0
Western Region	189,524	0	0.0	0	0	0
West River	234,700	0	0.0	0	0	0
East River	541,233	0	0.0	0	0	0
South Dakota YTD	775,933	0	0.0	0	0	0



<b>SALMONELLOSIS</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	2	1.1	1	0	1
SouthEast Region	256,093	6	2.3	1	1	4
Central Region	155,845	8	5.1	2	5	1
Western Region	189,524	6	3.2	2	2	2
West River	234,700	11	4.7	2	7	2
East River	541,233	11	2.0	4	1	6
South Dakota YTD	775,933	22	2.8	6	8	8



Salmonella serotype	TOTAL
S. enteritidis	2
S. montevideo	2
S. typhimurium	5
Other serotypes	13
<b>TOTAL</b>	<b>22</b>

Incidence = cases reported per 100,000 population.

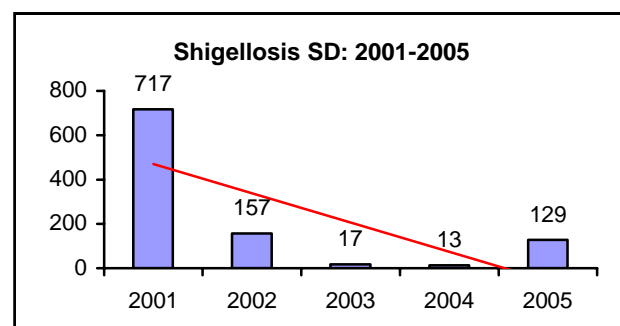
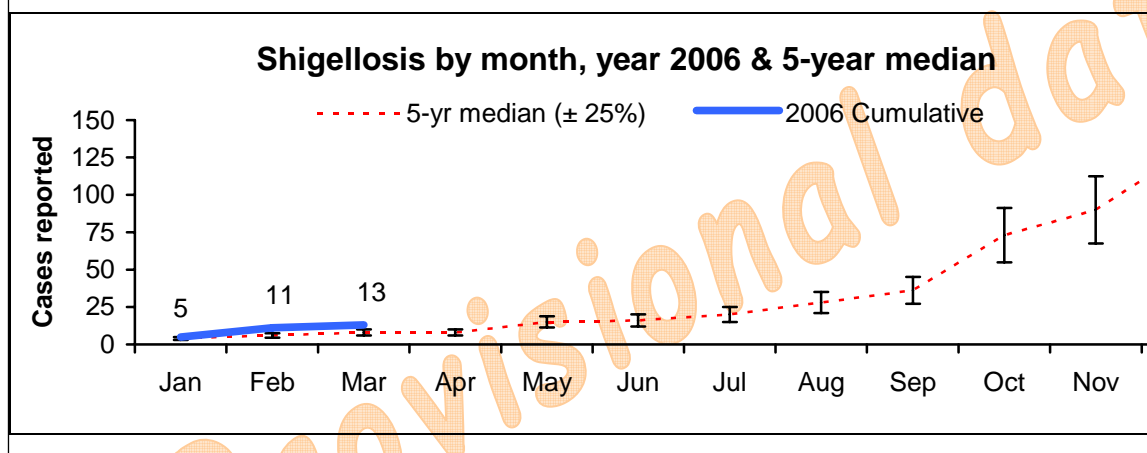
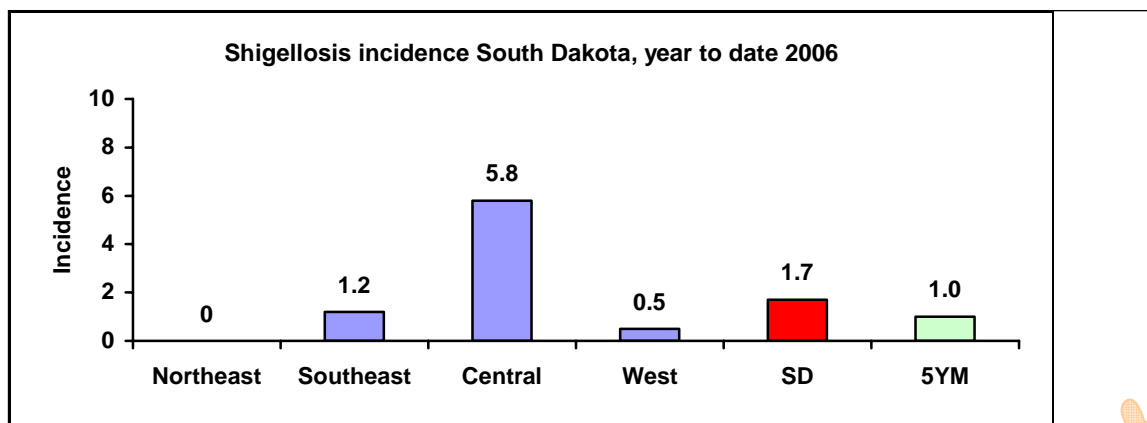
\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

SHIGELLOSIS						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	0	0.0	0	0	0
SouthEast Region	256,093	3	1.2	1	1	1
Central Region	155,845	9	5.8	4	5	0
Western Region	189,524	1	0.5	0	0	1
West River	234,700	7	3.0	3	3	1
East River	541,233	6	1.1	2	3	1
South Dakota YTD	775,933	13	1.7	5	6	2

Shigella species: All *Shigella sonnei*



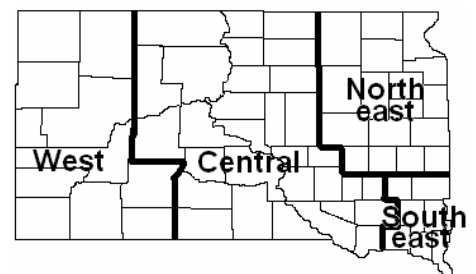
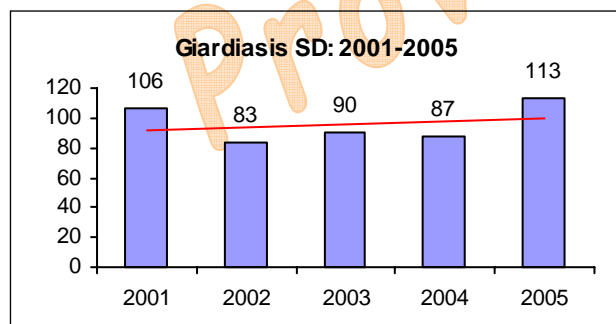
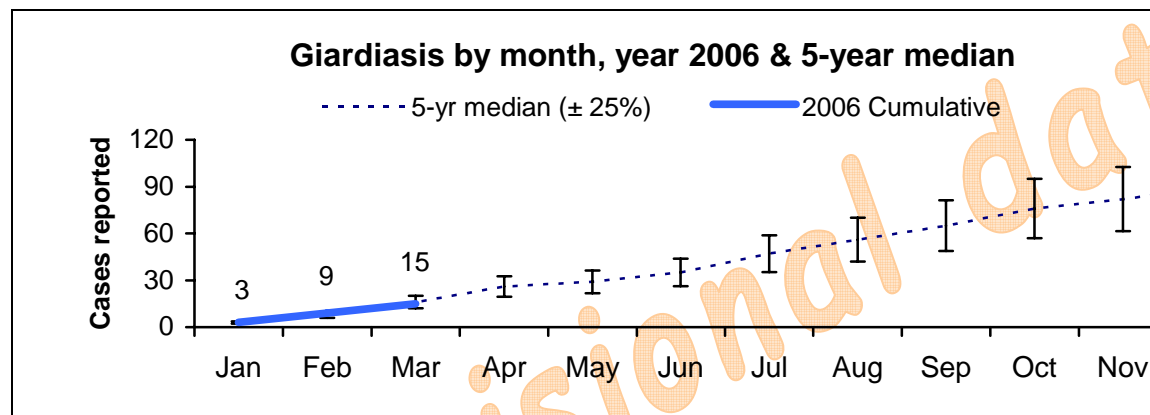
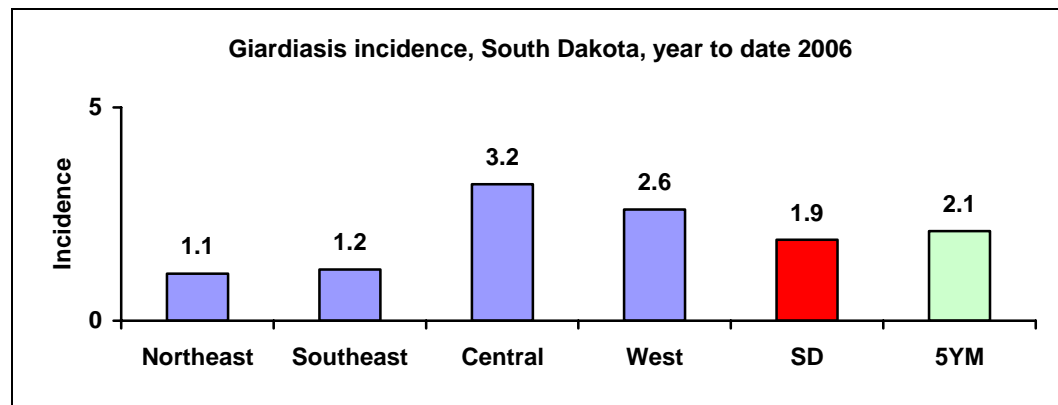
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

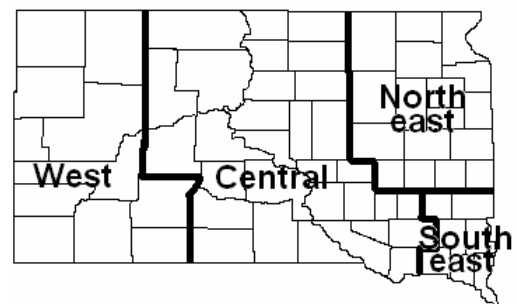
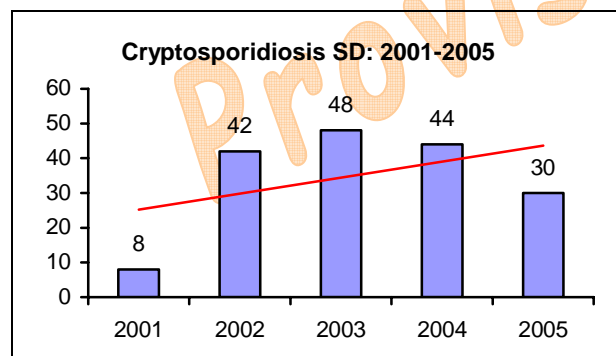
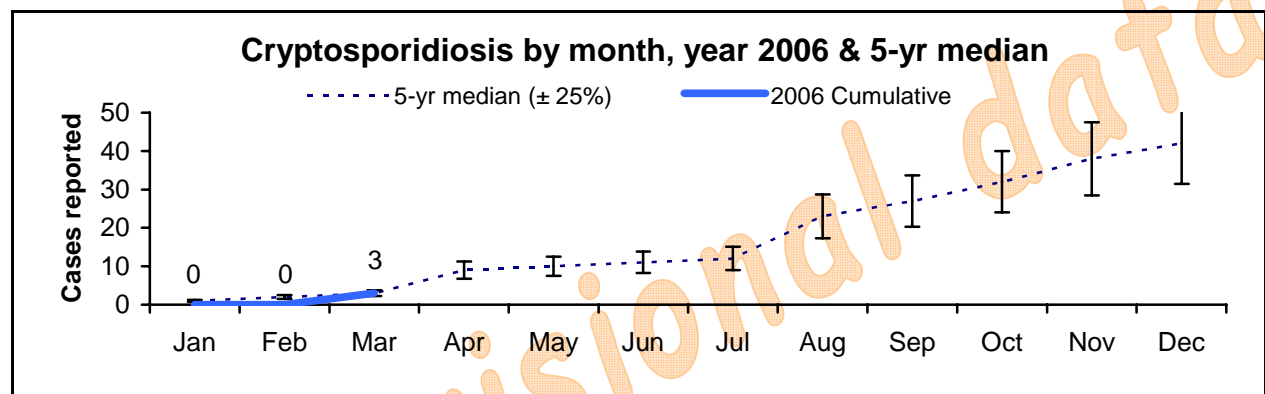
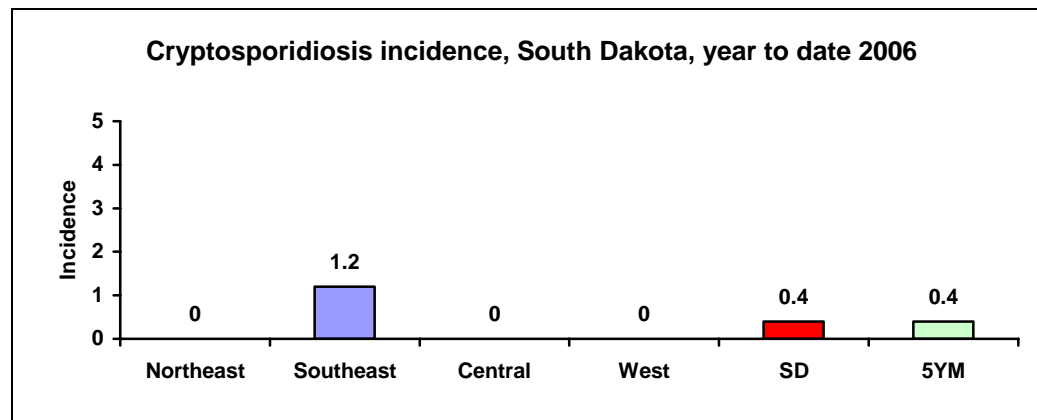
5YM= 5-year median

Population based on 2003 estimates

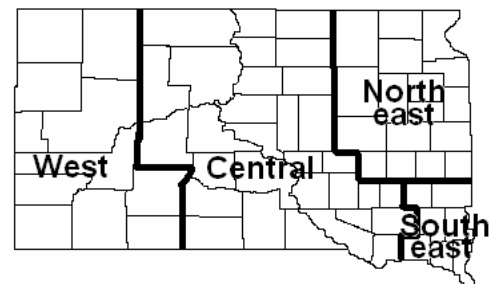
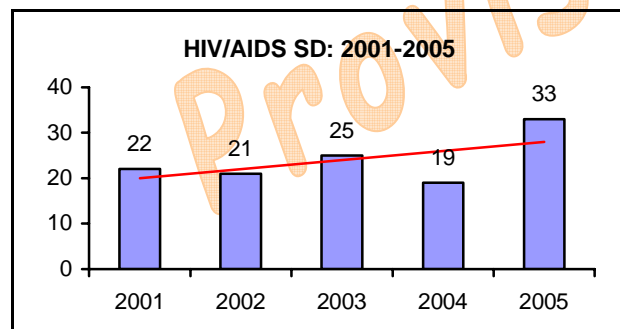
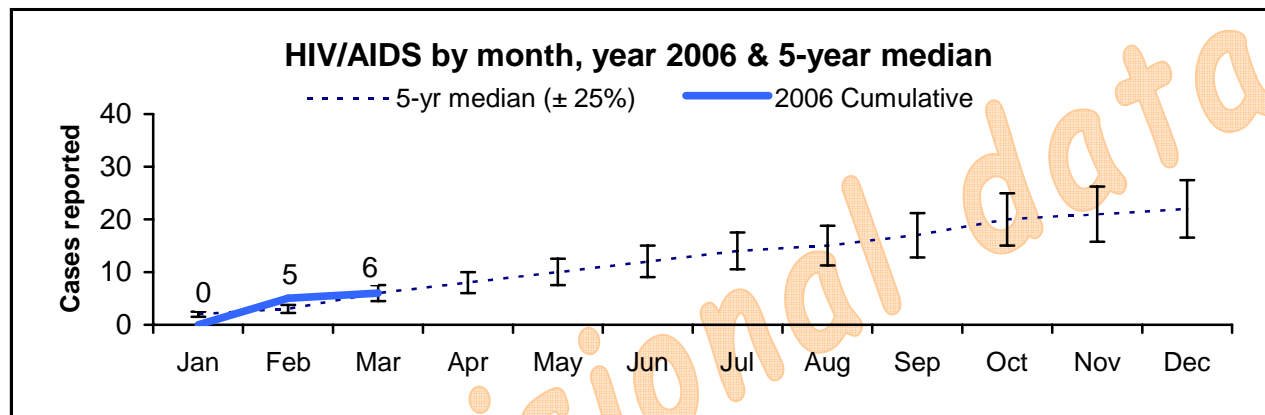
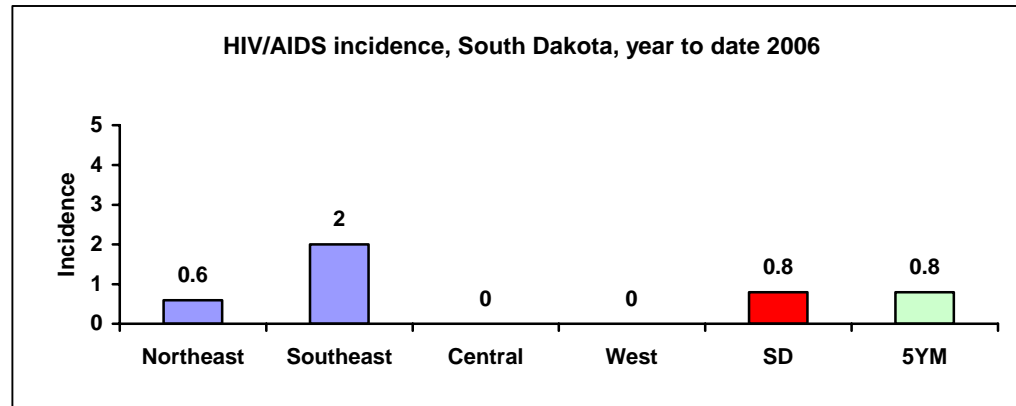
<b>GIARDIASIS</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	2	1.1	0	2	0
SouthEast Region	256,093	3	1.2	0	1	2
Central Region	155,845	5	3.2	1	2	2
Western Region	189,524	5	2.6	2	1	2
West River	234,700	5	3.0	2	1	4/2
East River	541,233	10	1.5	1	5	4
South Dakota YTD	775,933	15	1.9	3	6	6



CRYPTOSPORIDIOSIS		#				
Region	Pop	cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	0	0.0	0	0	0
SouthEast Region	256,093	3	1.2	0	0	3
Central Region	155,872	0	0.0	0	0	0
Western Region	189,524	0	0.0	0	0	0
West River	234,727	0	0.0	0	0	0
East River	541,233	3	0.6	0	0	3
South Dakota YTD	775,960	3	0.4	0	0	3



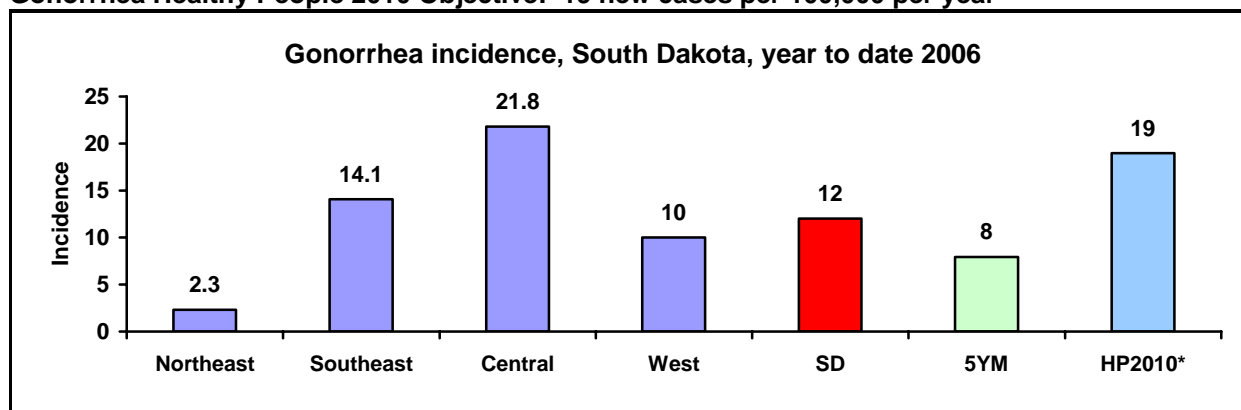
HIV / AIDS						
REGION	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	1	0.6		1	
SouthEast Region	256,093	5	2.0		4	1
Central Region	155,845	0	0.0			
Western Region	189,524	0	0.0			
South Dakota YTD	775,933	6	0.8	0	5	1



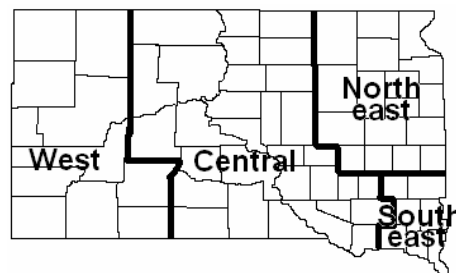
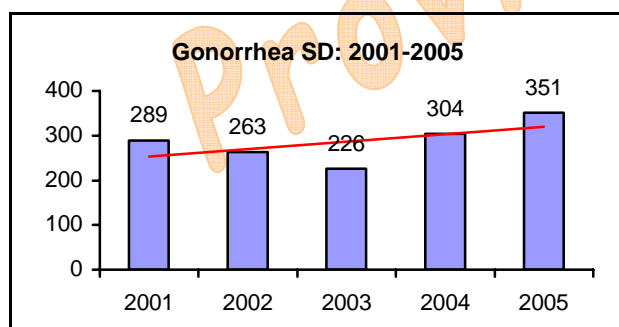
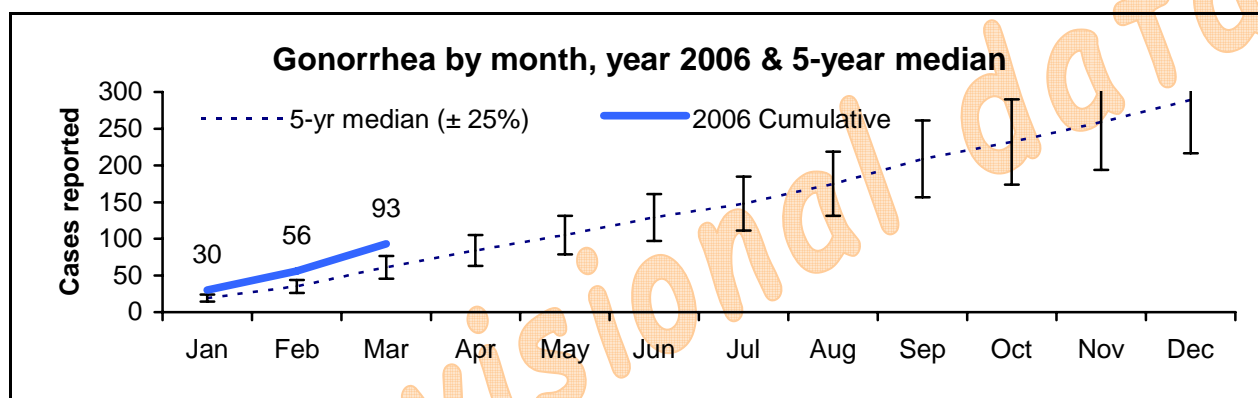


GONORRHEA						
REGION	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	4	2.3	1	2	1
SouthEast Region	256,093	36	14.1	8	6	22
Central Region	155,845	34	21.8	14	10	10
Western Region	189,524	19	10.0	7	8	4
West River	234,700	43	18.3	17	14	12
East River	541,233	50	9.2	13	12	25
South Dakota YTD	775,933	93	12.0	30	26	37

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



\*Healthy People 2010 Objective for full year.



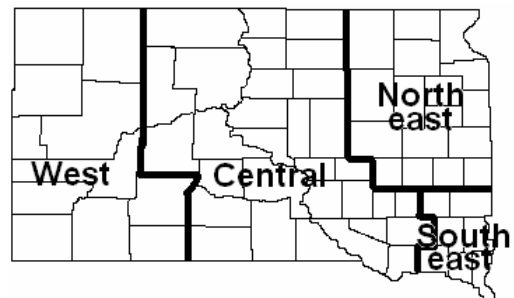
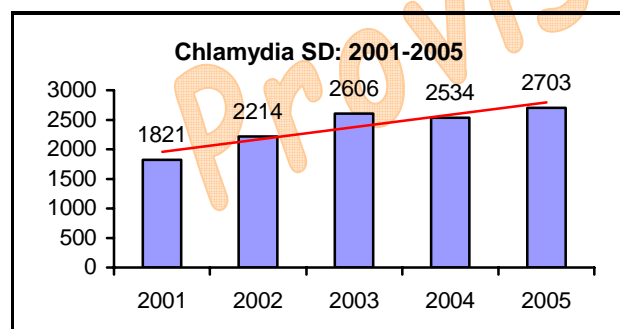
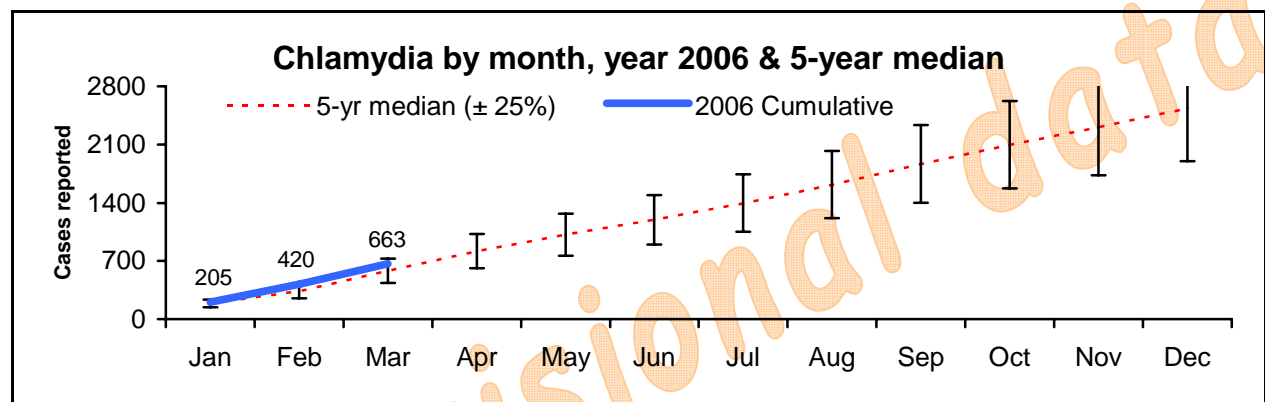
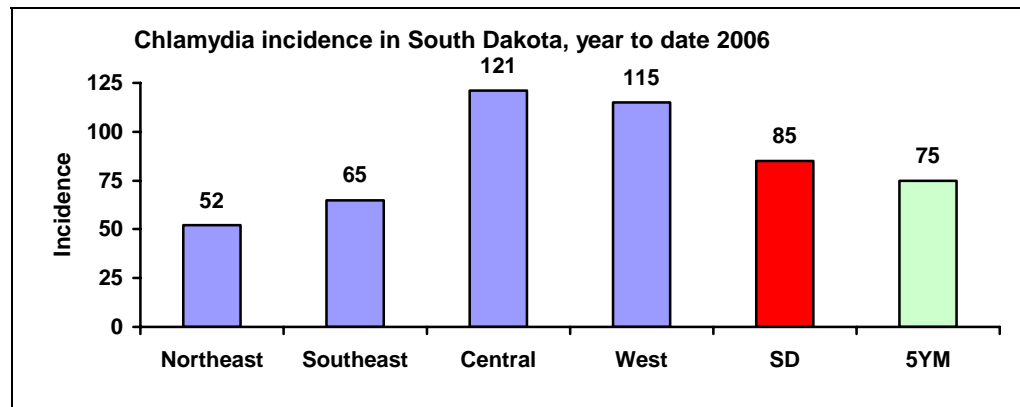
Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

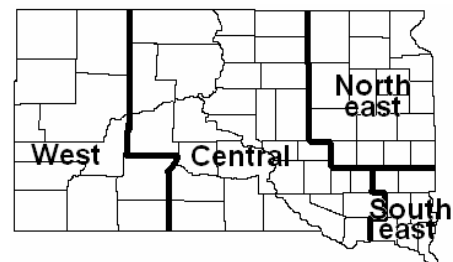
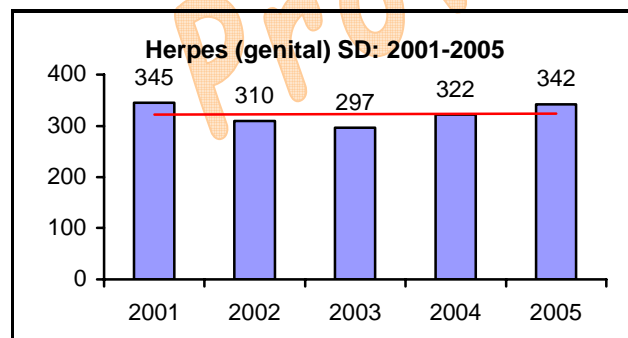
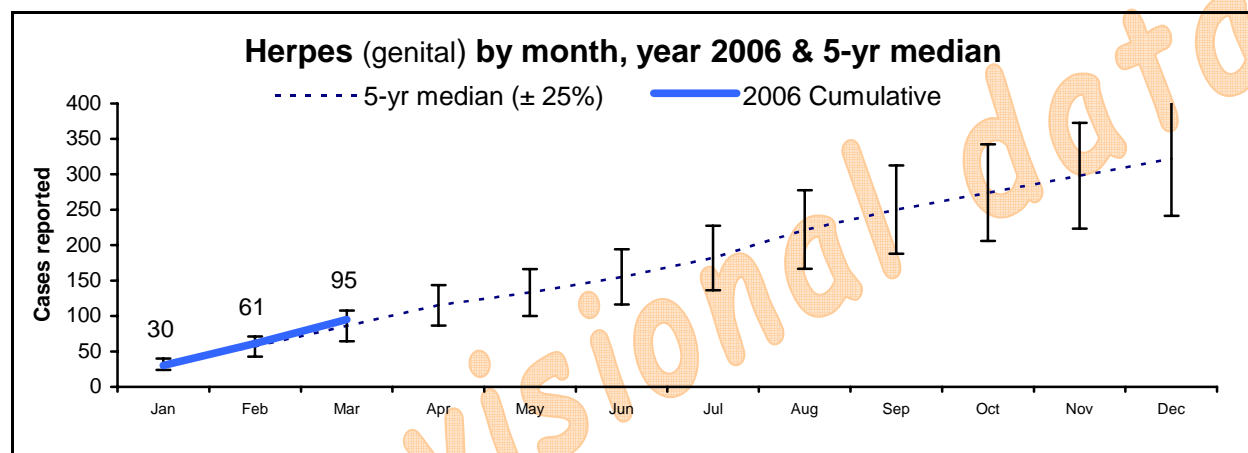
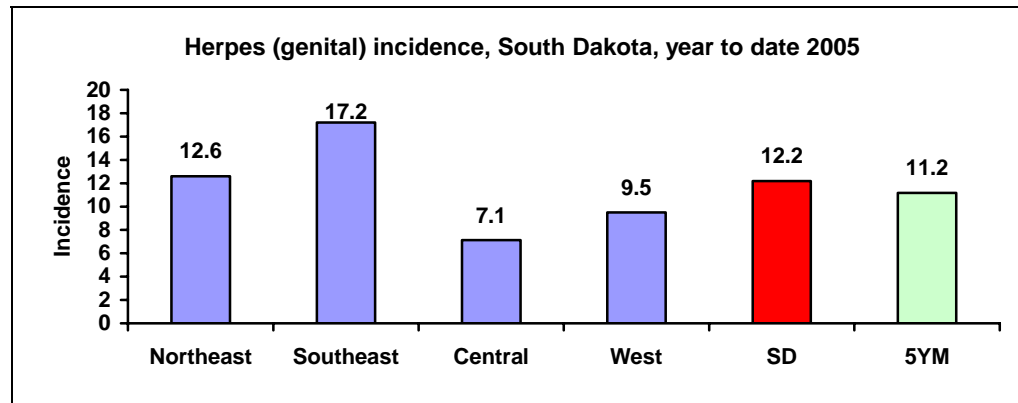
5YM= 5-year median

Population based on 2003 estimates

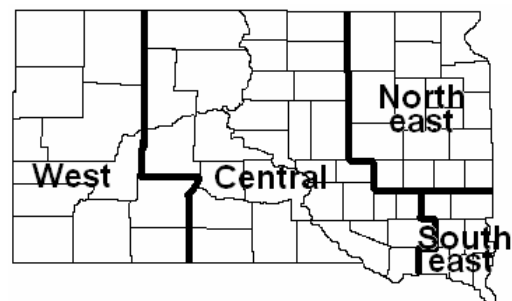
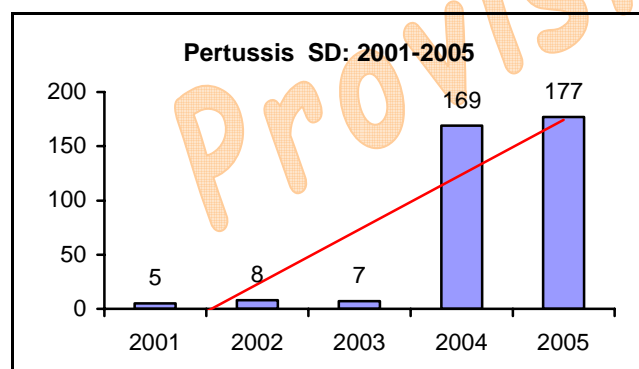
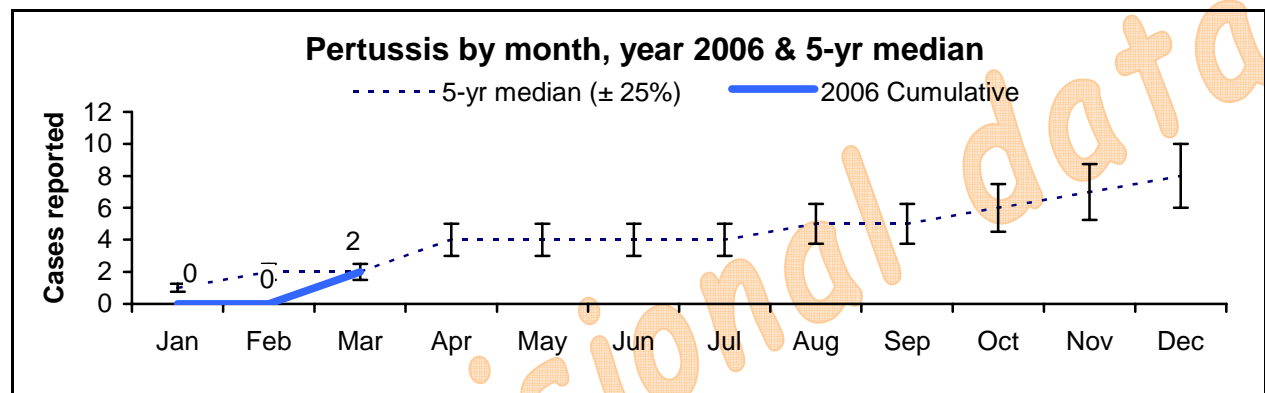
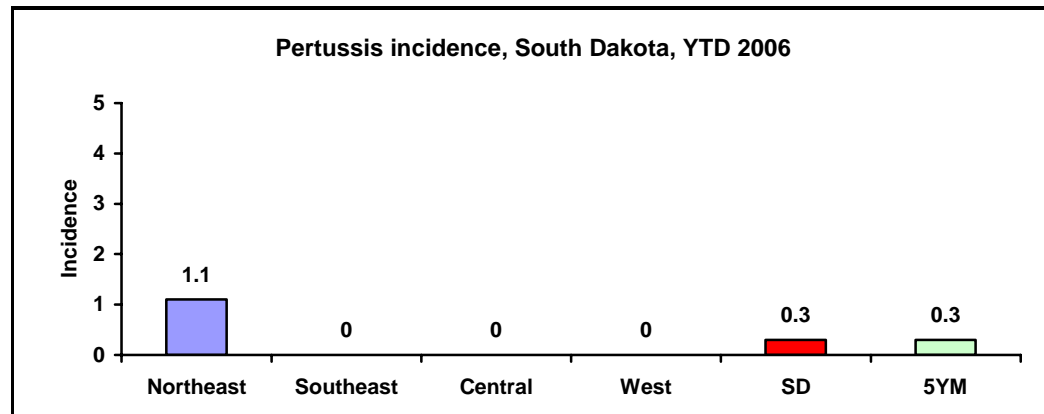
CHLAMYDIA trachomatis		#			
REGION	Pop	cases	Incidence	Jan	Feb
NorthEast Region	174,471	90	51.6	18	35
SouthEast Region	256,093	167	65.2	50	51
Central Region	155,872	188	120.6	60	55
Western Region	189,524	218	115.0	77	74
West River	234,727	329	140.2	111	108
East River	541,233	334	61.7	94	107
South Dakota YTD	775,960	663	85.4	205	215



HERPES genital/neonatal						
REGION	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	22	12.6	5	8	9
SouthEast Region	256,093	44	17.2	13	14	17
Central Region	155,872	11	7.1	4	2	5
Western Region	189,524	18	9.5	8	7	3
West River	234,727	22	9.4	9	8	5
East River	541,233	73	13.5	21	23	29
South Dakota YTD	775,960	95	12.2	30	31	34



PERTUSSIS						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	2	1.1	0	0	2
SouthEast Region	256,093	0	0.0	0	0	0
Central Region	155,872	0	0.0	0	0	0
Western Region	189,524	0	0.0	0	0	0
West River	234,727	0	0.0	0	0	0
East River	541,233	2	0.4	0	0	2
South Dakota YTD	775,960	2	0.3	0	0	2



Incidence = cases reported per 100,000 population.

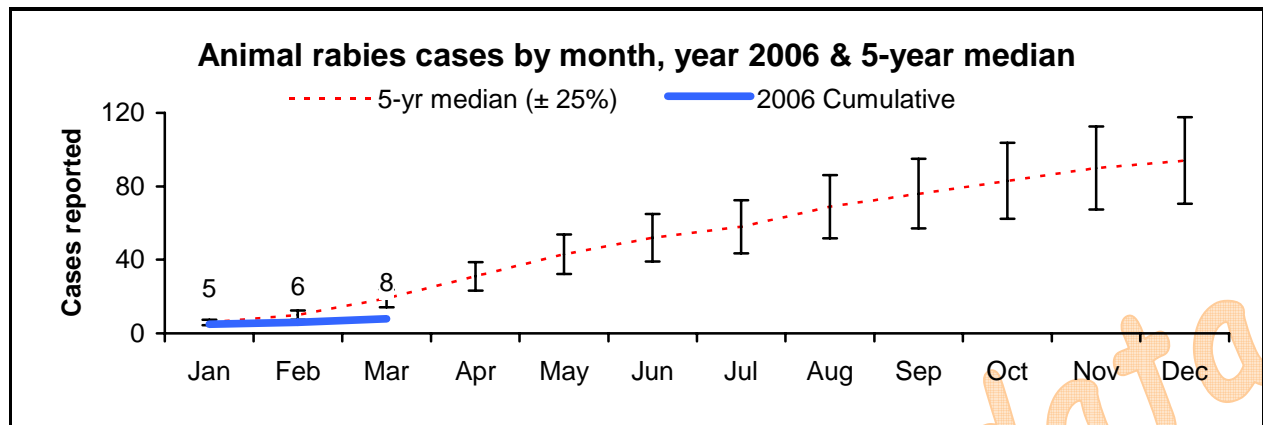
\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

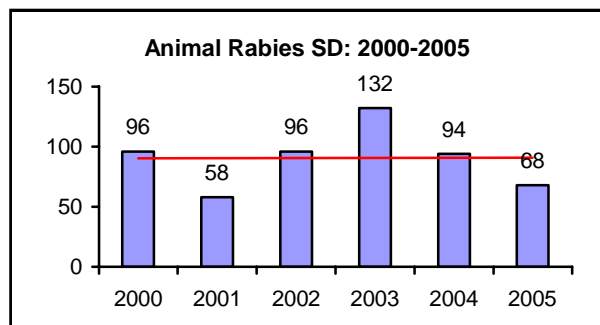
## Animal Rabies in South Dakota, 1 January – 15 March 2006.

County	Rabid animals
Bon Homme	Skunk 1;
Brown	Cat 1;
Clark	Cat 1;
Deuel	Skunk 1;
Faulk	Skunk 1;
Hanson	Cow 1;
Meade	Skunk 1;
Minnehaha	Skunk 1;



Animals testing negative include: bat 3, bovine 7, cat 24, coyote 1, dog 6, horse 1, rabbit 1, raccoon 5, skunk 1.

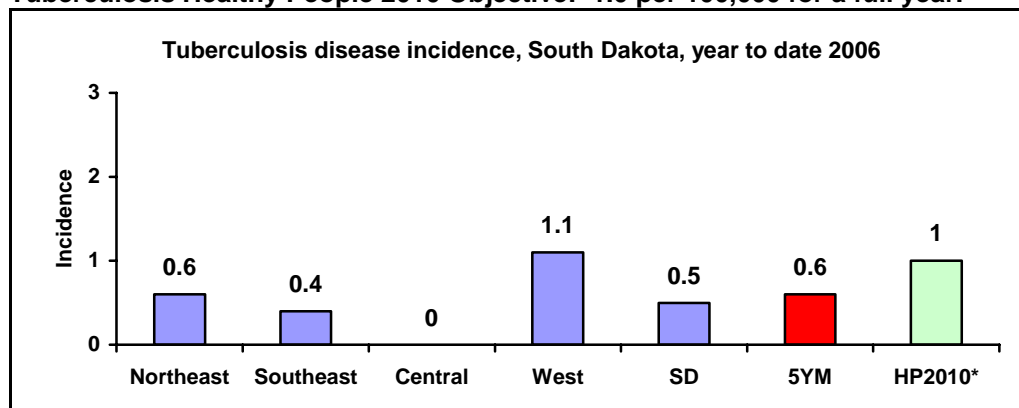
Animal	Number Positive
Bat	0
Cattle	1
Dog	0
Horse	0
Cat	2
Skunk	5
Raccoon	0
Other*	0
<b>Total</b>	<b>8</b>



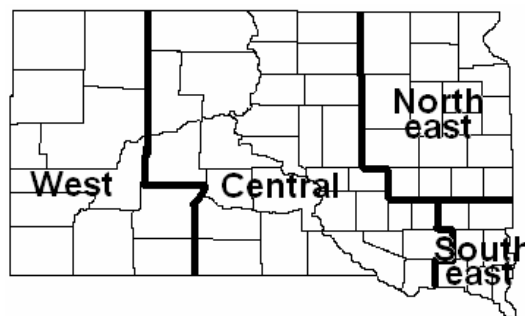
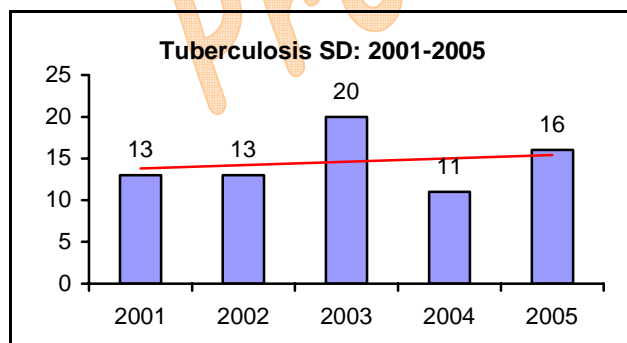
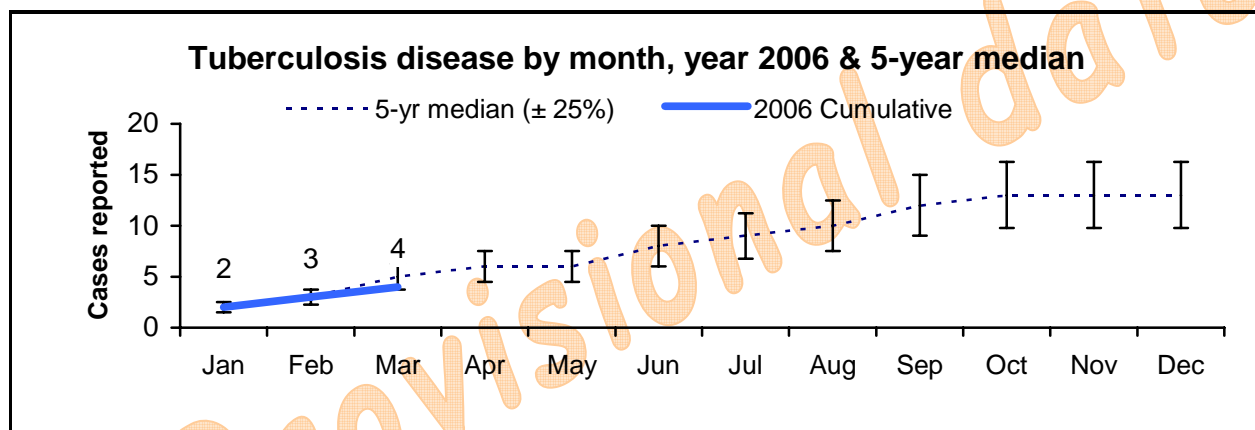
**TUBERCULOSIS DISEASE**

Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	1	0.6	0	1	0
SouthEast Region	256,093	1	0.4	1	0	0
Central Region	155,872	0	0.0	0	0	0
Western Region	189,524	2	1.1	1	0	1
West River	234,727	2	0.9	1	0	1
East River	541,233	2	0.4	1	1	0
South Dakota YTD	775,960	4	0.5	2	1	1

**Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.**



\*Healthy People 2010 Objective for full year.



Incidence = cases reported per 100,000 population.

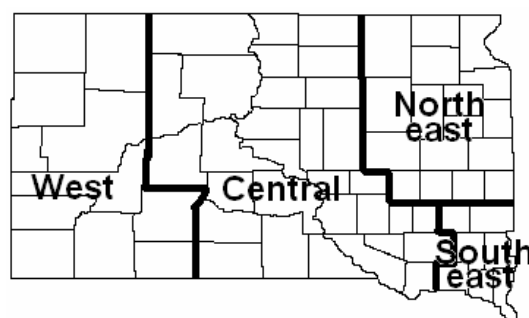
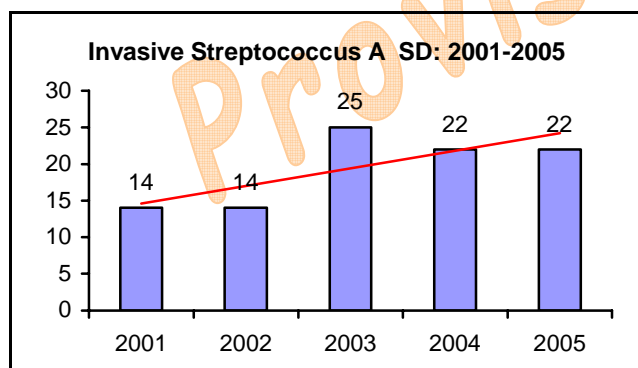
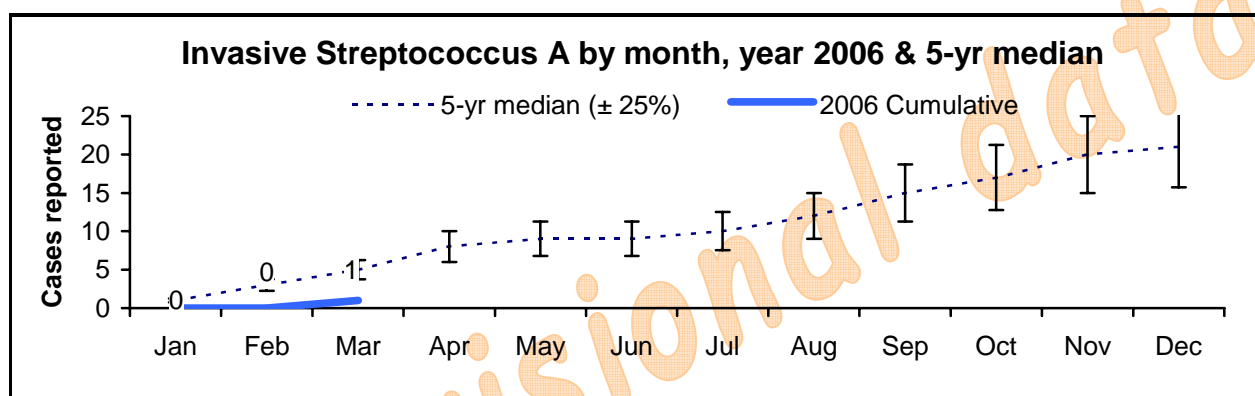
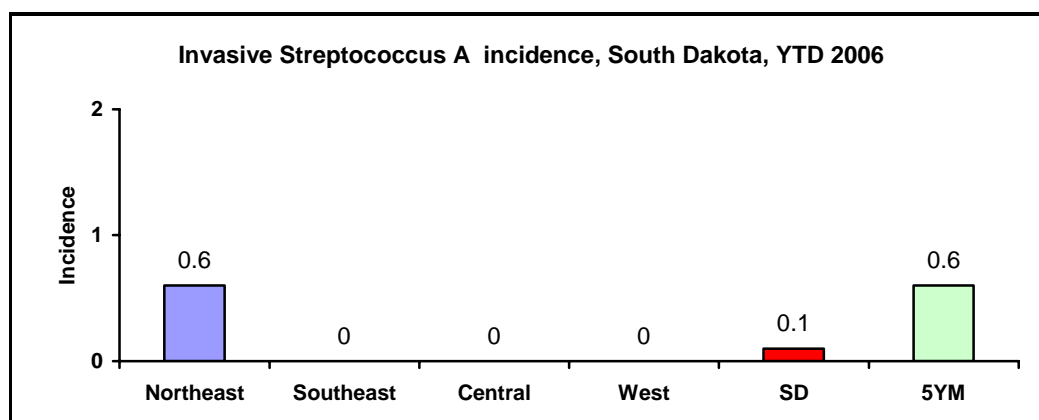
**\*Confidential disease reporting line 1-800-592-1804**

5YM= 5-year median

**Population based on 2003 estimates**

**STREPTOCOCCUS GROUP A, INVASIVE**

Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	1	0.6	0	0	1
SouthEast Region	256,093	0	0.0	0	0	0
Central Region	155,872	0	0.0	0	0	0
Western Region	189,524	0	0.0	0	0	0
West River	234,727	0	0.0	0	0	0
East River	541,233	1	0.2	0	0	1
South Dakota YTD	775,960	1	0.1	0	0	1



Incidence = cases reported per 100,000 population.

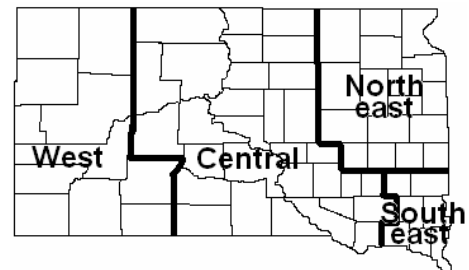
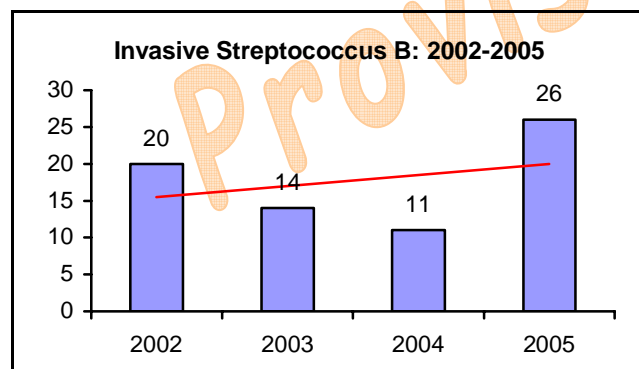
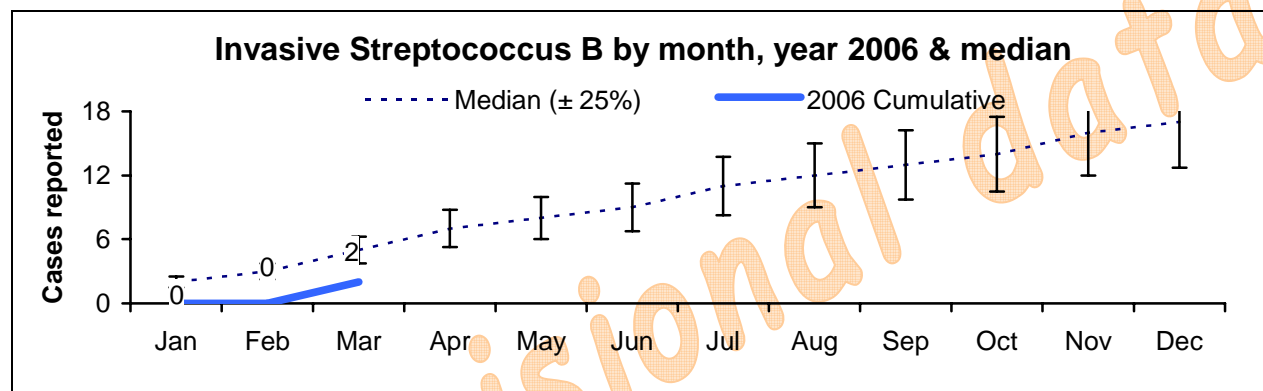
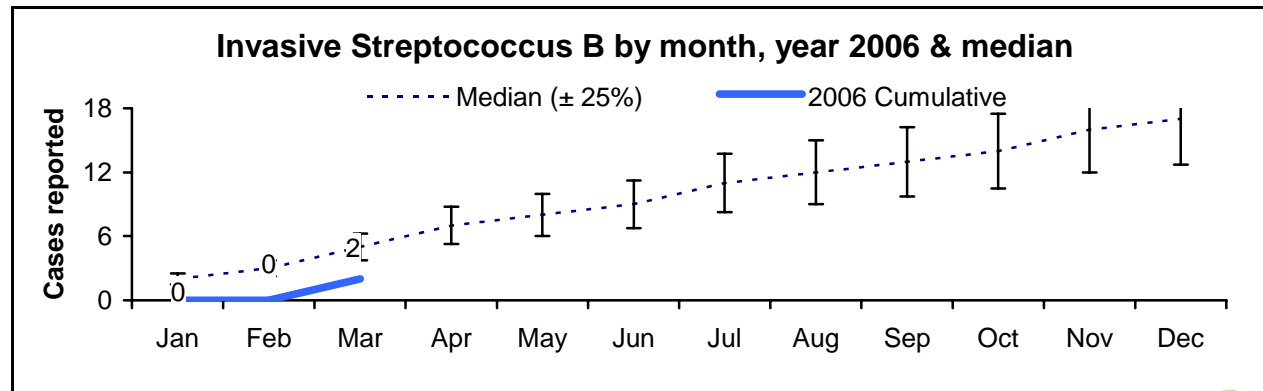
\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

**STREPTOCOCCUS GROUP B, INVASIVE**

Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	0	0.0	0	0	0
SouthEast Region	256,093	2	0.8	0	0	2
Central Region	155,872	0	0.0	0	0	0
Western Region	189,524	0	0.0	0	0	0
West River	234,727	0	0.0	0	0	0
East River	541,233	2	0.4	0	0	2
South Dakota YTD	775,960	2	0.3	0	0	2



Incidence = cases reported per 100,000 population.

\*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates



**Other low incidence or newly reportable diseases in South Dakota, YTD2006**

- Hepatitis A, acute 2 cases
- Listeriosis, 2 cases
- Malaria (*P. vivax*), 1 case
- Chronic Hepatitis C: 7 cases (new reporting line)

<b>CHICKEN POX (varicella)</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	1	0.6	0	0	1
SouthEast Region	256,093	4	1.6	2	2	0
Central Region	155,872	3	1.9	1	2	0
Western Region	189,524	6	3.2	6	0	0
West River	234,727	6	2.6	6	0	0
East River	541,233	8	1.5	3	4	1
<b>South Dakota YTD</b>	<b>775,960</b>	<b>14</b>	<b>1.8</b>	<b>9</b>	<b>4</b>	<b>1</b>

<b>MRSA, Invasive</b>						
Region	Pop	# cases	Incidence	Jan	Feb	Mar
NorthEast Region	174,471	2	1.1	1	1	0
SouthEast Region	256,093	3	1.2	0	1	2
Central Region	155,872	4	2.6	1	2	1
Western Region	189,524	0	0.0	0	0	0
West River	234,727	0	0.0	0	0	0
East River	541,233	9	1.7	2	4	3
<b>South Dakota YTD</b>	<b>775,960</b>	<b>9</b>	<b>1.2</b>	<b>2</b>	<b>4</b>	<b>3</b>

\*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

Diseases may be reported to the SD Dept of Health at <http://www.state.sd.us/doh/diseasereport>